1. Answer the following questions given the class below.

```java
public class Quiz05 {
    public static int x = 13;
    public static int method1(int x, int y) {
        int a = x + y;
        System.out.println(a);
        return a + x;
    }

    public static void main(String[] args) {
        System.out.println(x);
        int x = 23;
        System.out.println(x);
        x = x + Quiz05.x;
        x = method1(Quiz05.x, x);
        System.out.println(x);
    }
}
```

(a) (1 point) How many methods/functions are there in the above class and what are their names?

(b) (1 point) How many parameter variables are there in the above class and what are their names?

(c) (1 point) How many local variables are there in the above class and what are their names?

(d) (1 point) How many class variables are there in the above class and what are their names?

(e) (3 points) What is the output of the above program when it is executed?
2. Consider the following method:

```java
public static void puzzle(String confusing, String fun, String hard) {
    System.out.println("Many days I find CS170 " + hard + ". Some days it’s " + fun + ". Others days it’s just " + confusing);
}
```

(a) (3 points) You are given the following code (in a separate method). What is the output of the code?
```java
String fun = "confusing";
String confusing = "hard";
String hard = "fun";

puzzle(hard, confusing, fun);
```

(b) (2 points) Using the variables and associated values in part a, write a function call which would generate the output:
“Many days I find CS170 fun. Some days it’s confusing. Other days it’s just hard.”

3. (3 points) You are given the following method header/signature:

```java
public static void method2(int x, double y)
```

and the following variable definitions:
```java
double a = 3.04;
int b = 3;
```

Select ALL of the following statements which are valid (legal) ways to invoke the function `method2` and would not cause a syntax (compilation) error.

A. `method2(b, b);`
B. `b = method2(b, a);`
C. `b = method2(b, b);`
D. `method2(b);`
E. `method2(a, b);`
F. `method2(b, a);`
G. `method2("b", "a");`
H. `method2(1, 3.24);`
I. `method2("b", "a");`